

# San Diego, A World in Harmony

I Love A Clean San Diego  
4355 Ruffin Road, Suite 118  
San Diego, CA 92123  
(858) 467-0103



No charge beyond \$5.00 postage. 1994. 494 p.

*San Diego, A World in Harmony, An Environmental Awareness Curriculum for Grades 7-12* addresses such ecological issues as water conservation, recycling, urban runoff, and composting. Using San Diego as the setting, the material is designed to challenge students to examine the relationship between their local environment and their behavior, and take individual action to effect positive change. Current waste disposal issues, waste reduction strategies, litter, precycling, and recycling are explored through a number of multidisciplinary activities.

## REPORT CARD

Overall Grade	A-
General Content	A
Presentation	A-
Pedagogy	A
Teacher Usability	A-
Integrated Waste	A

DISCIPLINE	EMPHASIS	0	1	2	3
Science					
History/Social Science					
Health					
Mathematics					
Visual/Performing Arts					
Language Arts					
Industrial/Vocational Ed.					
Foreign Language					

## COMMENTS

### General Content

"*San Diego, A World in Harmony* meets most of the implied goals of the IWM compendium tool better than any other single resource."

"An excellent curriculum - unique integration of water issues (a strong point of the curriculum)."

### Pedagogy

"Special education considerations are excellent."

"A good balance of disciplines (math, science, etc.)."

"Culturally sensitive and with very thorough framework connections."

### Teacher Usability

"Clear objectives are provided."

"Very easy to use."

### Specific Content

"Best of the bunch if you live in San Diego." Some lessons would have to be modified for application elsewhere.

# Exploring Environmental Issues: Municipal Solid Waste

Project Learning Tree  
American Forest Foundation  
1111 19th Street, NW, Suite 780  
Washington, DC 20036  
(202) 463-2462



No charge to educators who participate in a workshop. 1997. 136 p.

As one module in Project Learning Tree's secondary environmental education program, *Exploring Environmental Issues: Municipal Solid Waste* is designed to help students in grades 9-12 explore the management of solid waste and implications of the current waste dilemma. Eight interdisciplinary activities focus on the development of critical thinking skills which ultimately help students realize the connections among the products they purchase, the natural resources they consume, and the waste they generate. The module also features extensive background sections and numerous appendices. With some modification the material could be used with seventh and eighth grade students.

## REPORT CARD

Overall Grade	A-
General Content	A
Presentation	B+
Pedagogy	A
Teacher Usability	A
Integrated Waste	A

DISCIPLINE	EMPHASIS	0	1	2	3
Science					
History/Social Science					
Health					
Mathematics					
Visual/Performing Arts					
Language Arts					
Industrial/Vocational Ed.					
Foreign Language					

## COMMENTS

### Presentation

"Excellent organization, although the layout is condensed."

### Pedagogy

"Good, minds-on activities that involve deeper student inquiry."

"Conceptual framework and themes are identified."

"Applicable at the ninth grade - not seventh or eighth."

### Teacher Usability

"Excellent teacher background."

"Very teacher friendly, although the materials needed for some of the activities may be hard to collect."

### Specific Content

"If only one curriculum is used, this should be it!"

One of only a few that addresses environmental justice.

"Provides a history of garbage. Activities thoroughly explore a topic."

# Environmental Protection Native American Lands

Center for Indian Community Development  
Humboldt State University  
Arcata, CA 95521  
(707) 826-3711



\$25.00. 1996. 290 p.

*Environmental Protection Native American Lands: A Cultural Approach to Integrated Environmental Studies* is designed to cultivate a sense of place by studying the relationship between human activity and the land. Fifty-two lessons for grades 1-12 build upon Native American traditions and beliefs, specifically reflecting the cultures of the Hupa, Karuk, and Yurok people of northern California. Integrated waste management issues, including solid waste and pollution, and waste management practices, including recycling, composting, and vermiculture are explored throughout the curriculum.

## REPORT CARD

Overall Grade	A-
General Content	A
Presentation	A-
Pedagogy	A-
Teacher Usability	B+
Integrated Waste	A

DISCIPLINE	EMPHASIS	0	1	2	3
Science					
History/Social Science					
Health					
Mathematics					
Visual/Performing Arts					
Language Arts					
Industrial/Vocational Ed.					
Foreign Language					

## COMMENTS

### General Content

Presents a strong message about "living lightly" and respecting the interconnectedness of all systems. "A good, year-long integrated science-society waste curriculum."

### Presentation

"Well organized and illustrated."

### Pedagogy

"A less heavy-handed, and ultimately, more powerful approach."  
"Strong evidence of interdisciplinary approach."  
"The reading [level] may be too difficult for middle school students."

### Teacher Usability

"Uses readily available lab materials."  
"Needs a table of contents by grade level."

### Specific Content

"Culturally specific."  
"Explores important topics all others miss (i.e. ethics, sensitive caring for the land)."  
"Cultural limitations are inherent in the design and acknowledged by the authors."

# Trash Conflicts

Educators for Social Responsibility  
23 Garden Street  
Cambridge, MA 02138  
(617) 492-1764



\$28.00. 1993. 246 p.

*Trash Conflicts, A Science and Social Studies Curriculum on the Ethics of Disposal* integrates middle school level science and social science to examine the impact of waste production and ethics of disposal. Twenty-seven activities explore trash and hazardous waste from the perspective of environmental safety and social justice, concluding with student readings and action projects. Resource directory and bibliography are also included.

## REPORT CARD

Overall Grade	A-
General Content	A
Presentation	B+
Pedagogy	A-
Teacher Usability	A-
Integrated Waste	A-

DISCIPLINE	EMPHASIS	0	1	2	3
Science					
History/Social Science					
Health					
Mathematics					
Visual/Performing Arts					
Language Arts					
Industrial/Vocational Ed.					
Foreign Language					

## COMMENTS

### General Content

"*Trash Conflicts* approaches waste management from a socioeconomic point of view."  
"This combines the best original and borrowed material - comprehensive yet not duplicative. I liked this very much. It is balanced in all respects."

### Presentation

"Reproduction quality is doubtful on the student handouts."

### Pedagogy

"Some very good lessons are offered. Seems to have all the pieces."  
"Offers a variety of instructional strategies."

### Teacher Usability

"Lots of teacher preparation is required."

### Specific Content

Half of this book focuses on hazardous waste and was not reviewed for the purpose of this study.  
"Excellent materials on product packaging."  
"Addresses social issues and environmental justice."

# Environmental Action: Waste Reduction

Pearson Learning  
299 Jefferson Road  
Parsippany, NJ 07054  
(800) 876-5507



\$13.95 Teacher Resource Guide (170 p.)  
\$ 5.95 Student Edition (100 p.). 1998.

Designed by E2: Environment & Education, each module of the *Environmental Action* program includes a Teacher Resource Guide and Student Edition appropriate for use by both middle and secondary level students. In the *Waste Reduction* module, students sort and analyze school garbage to identify recyclable and compostable materials and later formulate a plan to reduce their consumption and waste. Activities follow a sequence that invites students to explore the issues and later, analyze them, consider options, and ultimately, take action.

## REPORT CARD

Overall Grade	A-
General Content	A-
Presentation	B+
Pedagogy	A-
Teacher Usability	B+
Integrated Waste	A-

DISCIPLINE	EMPHASIS	0	1	2	3
Science					
History/Social Science					
Health					
Mathematics					
Visual/Performing Arts					
Language Arts					
Industrial/Vocational Ed.					
Foreign Language					

## COMMENTS

### General Content

"A different approach - action based with good background materials. Excellent use of the student workbook!"  
"A good project-based learning application."

### Presentation

"Well organized."

### Pedagogy

Integrates cooperative learning.  
"Great sequence of activities that lead to final action projects."  
"I liked the action and analysis section for students to get involved."

### Teacher Usability

"Background information could be more detailed."  
"Student workbook pages do not always correlate directly with those of the teacher's book."  
"Teacher Resource Guide is useful."

### Specific Content

"In the narrow vein of waste reduction, this source is excellent."

# Understanding Garbage and Our Environment

McGraw-Hill, Inc.  
Customer Services  
P.O. Box 545  
Blacklick, OH 43004-0545  
(800) 722-4726

\$19.95. 1999. 306 p.

Produced by the Center for Chemical Education at Miami University, Ohio, *Understanding Garbage and Our Environment* presents eight comprehensive lessons to help middle-school students explore solid waste management issues. These issues include the characteristics of solid waste, health concerns, source reduction, resource recovery, and waste disposal methods. Within each lesson are a number of activities, plus teacher background information, notes, student background information and instructions, and "The Garbage Gazette" student readings.



## REPORT CARD

Overall Grade	B+
General Content	A-
Presentation	B+
Pedagogy	A-
Teacher Usability	B+
Integrated Waste	A-

DISCIPLINE	EMPHASIS	0	1	2	3
Science					
History/Social Science					
Health					
Mathematics					
Visual/Performing Arts					
Language Arts					
Industrial/Vocational Ed.					
Foreign Language					

## COMMENTS

### General Content

"This is a very current resource with great hands-on projects."

### Presentation

"Well organized and laid out."

"I liked the format of the 'Garbage Gazette'."

### Pedagogy

"An outstanding stand-alone curriculum and one that is aligned with the standards."

"Offers a variety of approaches to the problem (e.g. 'Gazette,' activities)."

### Teacher Usability

"Provides helpful, well compiled information for teachers."

"Some activities may be difficult to do with groups of thirty students as they would require lots of supervision."

### Specific Content

"Very current."

"Several different topics included in one workbook."

# Pathways to a Sustainable Future

The Chewonki Foundation  
485 Chewonki Neck Road  
Wiscasset, ME 04578  
(207) 882-7323



\$19.95. 1999. 198 p.

Recently revised, *Pathways to a Sustainable Future, A Curriculum Guide for Schools Exploring Waste Management Issues* presents several routes of exploration, from awareness pathways ("What is the waste problem?") to assessment pathways ("How are we doing?") to action pathways ("How can we have an impact on the waste problem?"). Designed for K-12 classrooms, the material offers background information, activities, and support material on composting, hazardous waste, recycling and reuse, source reduction, landfilling, and incineration.

## REPORT CARD

Overall Grade	B+
General Content	A-
Presentation	B+
Pedagogy	A
Teacher Usability	B
Integrated Waste	A

DISCIPLINE	EMPHASIS	0	1	2	3
Science					
History/Social Science					
Health					
Mathematics					
Visual/Performing Arts					
Language Arts					
Industrial/Vocational Ed.					
Foreign Language					

## COMMENTS

### General Content

"A thought provoking curriculum with clever, interactive lessons."

### Presentation

"Unique layout concept."

### Pedagogy

"Concise, valuable lessons with lots of originality."

### Teacher Usability

"Good background material including sections on how to guide for social action and internet resources."

"Organization needs some improvement, indexing in particular."

"Additional student materials would be helpful (handouts)."

### Specific Content

"Integrated waste management topics are available for all ability levels."

# People and the Planet: Lessons for a Sustainable Future

Zero Population Growth, Inc.  
1400 16th Street, NW, Suite 320  
Washington, DC 20036  
(202) 332-2200



\$22.95. 1996. 189 p.

The interdisciplinary activities in *People and the Planet* focus on developing middle school level students' understanding of the interdependence of people and the environment on a global level. The book is organized in four sections: (1) Understanding Population Dynamics, (2) People, Resources and the Environment, (3) Issues for the Global Family, and (4) You and Your Community. Each section of the book begins with a student reading, followed by a series of activities. Integrated waste management issues are primarily addressed in section two where nature resource use, waste generation and reduction, and ethics are explored.

## REPORT CARD

Overall Grade	B+
General Content	A
Presentation	B+
Pedagogy	A-
Teacher Usability	A-
Integrated Waste	B+

DISCIPLINE	EMPHASIS	0	1	2	3
Science					
History/Social Science					
Health					
Mathematics					
Visual/Performing Arts					
Language Arts					
Industrial/Vocational Ed.					
Foreign Language					

## COMMENTS

### General Content

"*People and the Planet* examines resource and waste issues on a global level."

"Solid waste in particular is studied in terms of impact of a growing human population."

"Innovative activities can easily be integrated into social science and science curricula."

### Pedagogy

"Very sensitive to cultural and economic issues."

"Excellent background and worldwide perspectives."

### Teacher Usability

"Helpful summary of activities is offered in the front."

### Specific Content

"Relates waste and resource management to population issues."

"Does not address all integrated waste management concepts."



# Action for a Cleaner Tomorrow

South Carolina Department of Health and Environmental Control  
2600 Bull Street  
Columbia, SC 29201  
(800) 768-7348



No charge. 1998. 619 p.

Revised in 1998, *Action for a Cleaner Tomorrow* (6-12 edition) address numerous issues including the effects of solid waste, human population growth, manufacturing by-products, and excessive packaging on the environment. Such concepts as the economics of recycling, consumer behavior, and resource recovery are explored through environmental science, social studies, language arts, mathematics, and other disciplines. Lessons are divided into two sections (grades 6-8 and 9-12) and are supported by an extensive resource section covering background information, glossary, and list of books and videos.

## REPORT CARD

Overall Grade	B+
General Content	A-
Presentation	B+
Pedagogy	B+
Teacher Usability	B+
Integrated Waste	A-

DISCIPLINE	EMPHASIS	0	1	2	3
Science					
History/Social Science					
Health					
Mathematics					
Visual/Performing Arts					
Language Arts					
Economics					
Foreign Language					

## COMMENTS

### General Content

"*Action for a Cleaner Tomorrow* is a comprehensive curriculum, although only about one-third of the activities are for the middle school level."

### Presentation

Since this compendium project, *Action for a Cleaner Tomorrow* has been redesigned. Binder consists of two sections (levels 6-8 and 9-12).  
"Outstanding organization and layout."

### Pedagogy

"Activities are relevant and interesting."  
"The activities are not designed to direct the learner toward the big ideas. Lessons use activities to illustrate an example of an issue."  
"Lots of hands-on activities."

### Teacher Usability

"Teacher friendly format."

### Specific Content

"Broad scope - very well integrated."  
Specific to South Carolina in nearly all lessons, but applicable elsewhere with modification.

# Solid Waste: Is There a Solution?

The New York Science Technology & Society Education Project  
New York State Department of Education  
89 Washington Avenue, Room 678 EBA  
Albany, NY 12234  
(518) 486-1726



\$3.00. 1992. 118 p.

*Solid Waste: Is There a Solution?* is intended for middle school science classrooms for use during a four-eight week period of study. Activities are organized in six units that examine solid waste, waste reduction strategies, reuse and recycling, waste-to-energy, landfills, and local action projects. Some of the data cited in the material pertain to New York, but could be easily modified for California classrooms. The solid waste module, like other modules in the series, is accompanied by a teacher's guide in which problem-solving and cooperative learning strategies are presented.

## REPORT CARD

Overall Grade	B+
General Content	A-
Presentation	B
Pedagogy	A-
Teacher Usability	B
Integrated Waste	A-

DISCIPLINE	EMPHASIS	0	1	2	3
Science					
History/Social Science					
Health					
Mathematics					
Visual/Performing Arts					
Language Arts					
Industrial/Vocational Ed.					
Foreign Language					

## COMMENTS

### General Content

"Offers scenarios to help develop thinking skills."

### Presentation

"Needs more visuals."

### Pedagogy

"Well balanced [with opportunities to] empower students."

"Fun and original approaches."

"Offers interdisciplinary connections."

### Teacher Usability

"Objectives are stated more clearly than in field test module."

Needs more background information and student worksheets for the activities.

### Specific Content

"Designed to complement a New York State syllabus for middle schools. Some information is specific to that region."

# A-Way with Waste

Washington State Department of Ecology  
Northwest Regional Office  
3190 160<sup>th</sup> Avenue, SE  
Bellevue, WA 98008



No charge. 1990. 574 p.

Quantities are limited. Permission is granted to educators to reproduce lesson plans from CIWMB masters for classroom use, provided credit is given to WSDE.

The third edition of *A-Way with Waste* offers a comprehensive collection of activities written for grades K-12. Eighty-six activities from the second edition are combined with over thirty new activities and presented in three sections: Solid Waste Management (including three subsections: Reduce, Recycle, Dispose); Hazardous Waste; and Waste and Water. Fact sheets and teacher background material introduce each section; a bibliography and glossary are provided at the conclusion.

## REPORT CARD

Overall Grade	B+
General Content	B+
Presentation	B
Pedagogy	B+
Teacher Usability	B+
Integrated Waste	A-

DISCIPLINE	EMPHASIS	0	1	2	3
Science					
History/Social Science					
Health					
Mathematics					
Visual/Performing Arts					
Language Arts					
Industrial/Vocational Ed.					
Economics/Auto Shop					

## COMMENTS

### General Content

*A-Way with Waste* has a large variety of well laid out lessons and excellent teacher 'information at a glance'."

### Presentation

"Well organized."

"The binder should be divided into smaller sections (K-6, 7-8, 9-12). It would be much easier to handle."

### Pedagogy

"Offers both pre-tests and post-tests."

"Uses computers in several activities."

Activities need more opportunity for students to construct knowledge and develop meaning.

### Teacher Usability

"Needs more student handouts - if students don't listen or take notes, they will miss it."

Indexing needs to be more accurate, although it is thorough (topic, age level, disciplinary emphasis, etc.).

### Specific Content

"A wide range of waste topics."

# An Ounce of Prevention

The Dow Chemical Company  
An Ounce of Prevention  
P.O. Box 1206  
Midland, MI 48641-9823  
(517) 636-7155



Free to educators of grades 6-9. 1997. 88 p.

Produced by the National Science Teachers Association and Dow Chemical Company, *An Ounce of Prevention* is a middle level science curriculum that focuses on source reduction and the need to conserve resources. Sequentially arranged lessons are organized in six sections, providing background information on garbage, the handling of garbage, the issue of packaging, hazardous waste, life cycle analyses (environmental effects of products and processes from a cradle-to-grave perspective), and the application of critical thinking skills to resolve an environmental dilemma.

## REPORT CARD

Overall Grade	B+
General Content	B+
Presentation	B
Pedagogy	B+
Teacher Usability	A-
Integrated Waste	A-

DISCIPLINE	EMPHASIS	0	1	2	3
Science					
History/Social Science					
Health					
Mathematics					
Visual/Performing Arts					
Language Arts					
Industrial/Vocational Ed.					
Foreign Language					

## COMMENTS

### General Content

"This is basically a discussion guide with good paper and pencil activities and student readings."

### Pedagogy

"Activities are geared toward seventh and eighth grade students."

"Some of the student reading may prove too difficult."

"I particularly liked the Island Survival activity."

"A biased agenda on the part of the sponsor in the promotion of aseptic boxes."

### Teacher Usability

"Requires few materials."

### Specific Content

"Clear emphasis on reduction over the other two R's."

"Little discussion of environmental impact of trash."

# Resource Cycles

San Francisco Solid Waste Management Program  
1145 Market Street, Suite 401  
San Francisco, CA 94103  
(415) 554-3400.



No charge for educators in San Francisco. \$15.00 for all others. 1994. 147 p.

*Resource Cycles: A Curriculum for Middle and High School Teachers* examines natural resources, waste management, toxics, and waste reduction strategies including reducing, reusing, recycling, and composting. Twenty science-based activities are organized into four sections; a glossary and teacher resource section are also provided. While the information is regional (San Francisco), the activities could be adapted to work elsewhere.

## REPORT CARD

<b>Overall Grade</b>	<b>B+</b>
<b>General Content</b>	<b>B+</b>
<b>Presentation</b>	<b>B+</b>
<b>Pedagogy</b>	<b>B+</b>
<b>Teacher Usability</b>	<b>B+</b>
<b>Integrated Waste</b>	<b>B+</b>

<b>DISCIPLINE</b>	<b>EMPHASIS</b>	<b>0</b>	<b>1</b>	<b>2</b>	<b>3</b>
Science					
History/Social Science					
Health					
Mathematics					
Visual/Performing Arts					
Language Arts					
Industrial/Vocational Ed.					
Foreign Language					

## COMMENTS

### General Content

"Excellent 'minimalist' approach that covers all bases with the least duplication and resource investment."

### Presentation

"Nice layout - should create interest in students."

"Well organized and sequential."

### Pedagogy

"Relates society and science to the environment."

"Offers some good activities I haven't seen, i.e. 'lethal dose extrapolation'."

"Some lessons could be hard to manage with a large group."

### Specific Content

Specifically addresses issues related to the City of San Francisco.

# The No-Waste Anthology

Environmental Education Coordinator  
California Department of Toxic Substances Control  
P.O. Box 806  
Sacramento, CA 95812  
(916) 324-3614



No charge to California educators. 1991. 320 p.

*The No-Waste Anthology, a Teacher's Guide to Environmental Activities K-12* is a compilation of material derived from other sources, reorganized into a single document. Seventy-six activities are organized into three sections: Natural Resources and Pollution, Solid Waste, and Hazardous Waste. Teacher background information, waste glossary, and an extensive cross-correlation of activities are also provided.

## REPORT CARD

Overall Grade	B+
General Content	B
Presentation	B
Pedagogy	B+
Teacher Usability	B+
Integrated Waste	A-

DISCIPLINE	EMPHASIS	0	1	2	3
Science					
History/Social Science					
Health					
Mathematics					
Visual/Performing Arts					
Language Arts					
Industrial/Vocational Ed.					
Foreign Language					

## COMMENTS

### General Content

The selection of activities integrates all areas of the curriculum.

### Presentation

"Needs more graphics."

### Pedagogy

"Offers a variety of activities - a useful resource book compiled from other sources."

"A few of the activities need to be updated."

### Teacher Usability

Indexing by topic, grade level, and subject matter is helpful.

### Specific Content

Focuses on integrated waste management and hazardous waste.

# The Waste Hierarchy: Where Is “Away”?

SEPUP, Lawrence Hall of Science  
University of California, Berkeley  
c/o Sargent-Welch Scientific Company  
911 Commerce Court  
Buffalo Grove, IL 60089  
(800) 727-4368



\$234.99 per kit. \$19.99 per teacher's manual. 1993. 154 p.

*The Waste Hierarchy: Where Is “Away”?* applies the science of chemistry to the study of waste treatment practices for students in grades 7-12. Six activities conducted over multiple class periods allow students to explore the question “Where is away?,” experiment with the dilution of chemicals in a simulated landfill, determine the risks of ash disposal from incineration, develop criteria for selecting materials for recycling, examine source reduction, and ultimately, develop an integrated plan for managing waste. Chemicals, laboratory supplies, student activity sheets, teacher's manual, and video are provided.

## REPORT CARD

Overall Grade	B
General Content	B+
Presentation	B-
Pedagogy	A-
Teacher Usability	B+
Integrated Waste	B

DISCIPLINE	EMPHASIS	0	1	2	3
Science					
History/Social Science					
Health					
Mathematics					
Visual/Performing Arts					
Language Arts					
Industrial/Vocational Ed.					
Foreign Language					

## COMMENTS

### General Content

“Excellent hands-on chemistry lessons.”  
“Lots of valuable, relevant content.”

### Pedagogy

“Great for a chemistry unit in which one wanted to spotlight waste concerns, but not for a general science or environmental education program.”  
“Active learning using student-centered investigations.”

### Teacher Usability

“Lots of teacher background information and well written student worksheets.”  
“Expensive lab kits need to be purchased in order to do these activities.”

### Specific Content

“Chemistry-based solid waste investigations.”

# Let's Reduce and Recycle: A Curriculum for Solid Waste Awareness

United States Environmental Protection Agency  
National Center for Environmental Publications and Information  
P.O. Box 42419  
Cincinnati, OH 45242  
(800) 424-9346



No charge. 1990. 144 p.

*Let's Reduce and Recycle* offers a series of activities focusing on the impact of garbage on the environment and the application of waste prevention and recycling techniques. Divided into two sections, grades K-6 and 7-12, each contains five units that address the following concepts: What is Waste?, Where Does Waste Go?, How Does Waste Affect Our Resources?, How Can We Produce Less Waste?, and What Can We Do About Waste? Additional features include a glossary, a script to "Throwaway Three," list of state solid waste agencies, and educational resources.

## REPORT CARD

Overall Grade	B
General Content	B+
Presentation	B-
Pedagogy	B-
Teacher Usability	B
Integrated Waste	A-

DISCIPLINE	EMPHASIS	0	1	2	3
Science					
History/Social Science					
Health					
Mathematics					
Visual/Performing Arts					
Language Arts					
Industrial/Vocational Ed.					
Foreign Language					

## COMMENTS

### General Content

"This is perhaps the most comprehensive, albeit basic and simplified, resource I've seen. For a 1990 publication, it is remarkably relevant."

### Presentation

"Some good graphics."

"Each section has a lesson for grades K-6 and another for 7-12."

### Pedagogy

"Lessons are repetitive and close-ended."

"Not hands-on enough."

"Vocabulary words are introduced but not defined."

### Teacher Usability

"Lots of good information and ideas for lessons."

### Specific Content

*Let's Reduce and Recycle* touches on all important aspects."



# Revise, Recycle, Recover

Frost Valley YMCA  
HC 55, Frost Valley Road  
Claryville, NY 12725  
(914) 985-2291



\$9.95. 1991. 70 p.

*Revise, Recycle, Recover, Realizing Our Resources* presents a series of lesson plans designed for the upper elementary through secondary level. Three general concepts of solid waste management are reinforced: (1) the revision of thought and consumer behavior, (2) the recycling of material to conserve energy, natural resources, and space, and (3) the recovery of resources as an alternative to sanitary landfills. Thirty-nine lesson plans are followed by reference sheets, a glossary, and a listing of resources and agencies.

## REPORT CARD

Overall Grade	B
General Content	B
Presentation	B
Pedagogy	B+
Teacher Usability	B-
Integrated Waste	B+

DISCIPLINE	EMPHASIS	0	1	2	3
Science					
History/Social Science					
Health					
Mathematics					
Visual/Performing Arts					
Language Arts					
Industrial/Vocational Ed.					
Foreign Language					

## COMMENTS

### General Content

"Good selection of environmental education activities - a broad base."

### Pedagogy

"Offers some unique activities."

"Activities need to be more challenging (higher level thinking) for seventh and eighth grade students."

"Needs student handouts."

### Teacher Usability

"Good ideas and basic information for teachers planning their own lessons."

"Great information for outdoor education."

### Specific Content

"Short treatment of varied subjects but one of the few that considers the human impact on natural systems."

# Living Lightly on the Planet

Schlitz Audubon Center  
1111 East Brown Deer Road  
Milwaukee, WI 53217  
(414) 352-2880



\$24.00. 1993 (reprinted). 120 p.

The *Living Lightly* series is comprised of four volumes of environmental education material for grades K-12. For the middle level grades, *Living Lightly on the Planet, Volume I* offers activities that help students understand the global impact of human activity, examine land use issues, and take action for the stewardship of earth's resources. Lessons are organized within five units: Food for Thought, Limits to Growth, Water Reflections, Connections, Cycles, and Cities, and Small Is Beautiful.

## REPORT CARD

Overall Grade	B
General Content	B+
Presentation	B
Pedagogy	B+
Teacher Usability	B
Integrated Waste	B

DISCIPLINE	EMPHASIS	0	1	2	3
Science					
History/Social Science					
Health					
Mathematics					
Visual/Performing Arts					
Language Arts					
Industrial/Vocational Ed.					
Foreign Language					

## COMMENTS

### General Content

"A supplemental curriculum offering excellent concept-based instruction from a global standpoint."

"Great deep ecology exploration."

### Pedagogy

"Interesting materials not seen in other curricula."

"Offers some valuable adjunct lessons not really addressing solid waste per se, but providing the foundation missing in other resources."

### Teacher Usability

"Needs more student materials."

### Specific Content

The primary focus of this curriculum is on human population on global systems, not integrated waste management.

# Generation Earth

TreePeople  
12601 Mulholland Drive  
Beverly Hills, CA 90210  
(818) 623-4840



\$102.00. 1999. Packaged kit.

Packaged in a canvas bag, *Generation Earth* is an environmental education program for grades 7-12 created for the Los Angeles County Department of Public Works by TreePeople. The kit features a Teacher's Action Guide divided into three parts (Overview, Activity and Support Information sections), classroom set of "A Call to Action, Generation Earth's Guide to Organizing an Environmental Action Project," fifty-four minute video, classroom set of "Choose to Reduce" guides describing methods to survey campus waste, and classroom set of consumer awareness CD-style booklets. Some of the background information is based on Los Angeles data, but could be easily be modified to fit other regions.

## REPORT CARD

Overall Grade	B
General Content	B
Presentation	B
Pedagogy	B
Teacher Usability	B
Integrated Waste	B+

DISCIPLINE	EMPHASIS	0	1	2	3
Science					
History/Social Science					
Health					
Mathematics					
Visual/Performing Arts					
Language Arts					
Industrial/Vocational Ed.					
Foreign Language					

## COMMENTS

### General Content

"This serves as a good project-based learning model."

### Presentation

Draft edition was reviewed for this project.

"Good photography in the handouts."

"Visually appealing to students; however, 'A Call to Action' print is too small."

The graphic design, while appealing to youth, results in large blank spaces left on several pages.

### Pedagogy

"With the right and motivated instructor, I think this entirely unique and non-traditional approach can be very effective."

"Highly motivational material oriented to the group and the task."

"It presumes that instructors and students have bought into direct action."

Activities need more substance.

### Teacher Usability

"The booklet on how to survey waste on campus is the best part of the curriculum."

# Rethinking Recycling

Oregon Department of Environmental Quality  
811 SW Sixth Avenue  
Portland, OR 97217  
(503) 229-5913



\$33.00 for entire curriculum and \$6.00 for video (no charge to Oregon educators).  
1993. Packaged folder of materials.

*Rethinking Recycling, an Oregon Waste Reduction Curriculum* is a comprehensive package consisting of four grade group levels of Classroom Activity Packets (K-2, 3-5, 6-8, and 9-12), a Teacher Resource Guide (63 p.), recycling and waste reduction booklet (18 p.), and video, "The Recycle Lifecycle of Glass." The Teacher Resource Guide provides background information, fact sheets, reprints of articles, suggested instructional methods, and lists of additional resources. At the 6-8 level, the Classroom Activity Packet consists of related handouts and twelve lessons through which students become aware of the magnitude of waste production, consider costs and benefits of waste management solutions, and assess their own efforts to reduce the waste stream.

## REPORT CARD

Overall Grade	B
General Content	B+
Presentation	B-
Pedagogy	B
Teacher Usability	B
Integrated Waste	B+

DISCIPLINE	EMPHASIS	0	1	2	3
Science					
History/Social Science					
Health					
Mathematics					
Visual/Performing Arts					
Language Arts					
Industrial/Vocational Ed.					
Foreign Language					

## COMMENTS

### General Content

"A very comprehensive set of materials."  
"An outstanding source of data."

### Presentation

"Use of the folder is not the best way to present materials."

### Pedagogy

Lessons are open-ended and in need of more background information.  
"Data intensive."

### Teacher Usability

"Excellent teacher resource guide."  
"Lessons are easy to follow."

### Specific Content

"Developed for Oregon teachers."

# Operation Separation

Onondaga County Resource Recovery Agency  
100 Elwood Davis Road  
North Syracuse, NY 13212



\$10.00. 1992. 186 p.

*Operation Separation, a Recycling Curriculum for Elementary School Teachers* is a set of two recycling curricula (K-6 and 7-12 grade levels) offering activities on waste reduction and recycling, organized by disciplinary emphasis. Twelve introductory pages provide an overview of recycling, some specific to Onondaga County, New York. Four units of lessons follow, providing supplementary learning opportunities in science, social studies, English, and mathematics. Appendices feature teacher fact sheets, student handouts, and bibliography.

## REPORT CARD

Overall Grade	B
General Content	B+
Presentation	B
Pedagogy	B
Teacher Usability	B
Integrated Waste	B

DISCIPLINE	EMPHASIS	0	1	2	3
Science					
History/Social Science					
Health					
Mathematics					
Visual/Performing Arts					
Language Arts					
Industrial/Vocational Ed.					
Home Economics					

## COMMENTS

### Pedagogy

"Some good ideas for activities on recycling, litter, and packaging."

"Adapted for integrated science classes with an emphasis on language arts."

### Teacher Usability

"Difficult to find one's way through the notebook."

### Specific Content

"Some of the materials are specific to Onondaga County, New York. Teachers elsewhere would have to make modifications and get information for their geographical area."

# Alabama PALS

Alabama PALS  
340 North Hull Street  
Montgomery, AL 36104  
(334) 263-7737



No charge to Alabama educators. 1998 (9th printing). 73 p.

The *Alabama PALS (People Against a Littered State) Litter Education Activity Guide* offers a variety of awareness-level litter-related activities for elementary, middle, and high school students. The booklet provides a sampling of activities on issues ranging from visual aesthetics to health and pollution. Twelve lessons are followed by additional activities compiled from other sources. Appendix features a detailed guide to campus improvement and beautification.

## REPORT CARD

Overall Grade	B-
General Content	B+
Presentation	B
Pedagogy	B
Teacher Usability	B-
Integrated Waste	B

DISCIPLINE	EMPHASIS	0	1	2	3
Science					
History/Social Science					
Health					
Mathematics					
Visual/Performing Arts					
Language Arts					
Industrial/Vocational Ed.					
Home Economics					

## COMMENTS

### General Content

"[I liked] the action project included at the back of the manual."

### Pedagogy

"Some of the activities could be used by seventh and eighth grade students."  
"Provides lots of ideas for discussion."

### Teacher Usability

Would help to have the manual broken down by grade level.  
"Needs information on how to use the packet."

### Specific Content

Focuses extensively on litter.

# Economics and the Environment Eco-Detectives

National Council on Economics Education  
1140 Avenue of the Americas  
New York, NY 10036  
(800) 338-1192



\$29.95. 1997. 128 p.

*Economics and the Environment EcoDetectives* is designed to help middle and secondary students apply economic reasoning to the study of environmental issues and problems. The subject matter focuses on real-life and controversial situations viewed through the perspective of economics and the application of market-based incentives. These situations include recycling, resource depletion, and the protection of endangered species. Eighteen independent activities are organized in four units: The Environment and the Economy, Incentives Matter, Using Market Forces to Improve the Environment, and Public Choice Theory and the Environmental Movement.

## REPORT CARD

Overall Grade	B-
General Content	B
Presentation	B-
Pedagogy	B
Teacher Usability	B
Integrated Waste	C+

DISCIPLINE	EMPHASIS	0	1	2	3
Science					
History/Social Science					
Health					
Mathematics					
Visual/Performing Arts					
Language Arts					
Industrial/Vocational Ed.					
Economics					

## COMMENTS

### General Content

*Eco-Detectives* explores economics and the relationship of economics to the environment."

"Fascinating perspectives. I would incorporate parts of this into my environmental education curriculum, but not as core material."

### Presentation

Student materials need improvement.

### Pedagogy

"Superficial approach to some objectives."

"Supplemental lessons - not a cohesive curriculum."

"'Environmental Mysteries' catch student interest."

"Designed to reinforce [only] an economic perspective."

### Teacher Usability

Too advanced for middle school.

### Specific Content

"Only two lessons focus specifically on integrated waste management."

# Activities Guide to Solid Waste and Recycling

Sacramento County Waste Management and  
Recycling Division  
9850 Goethe Road  
Sacramento, CA 95827  
(916) 875-6789



No charge to educators in the unincorporated Sacramento area.  
Also available to other California educators upon special request. 1995. 52 p., 74 p.

Designed for middle school, the *Activities Guide to Solid Waste and Recycling* applies science and math in one part and social studies and history in another to help students become aware of their role with natural resources and waste management. Eighteen lessons enable students to conduct a waste audit, experiment with soil permeability and landfill design, make recycled paper, practice composting and vermicomposting, and role-play as county planners. Although the curriculum uses regional (Sacramento) data, this information can be modified for application elsewhere.

## REPORT CARD

Overall Grade	B-
General Content	B-
Presentation	B-
Pedagogy	B
Teacher Usability	B
Integrated Waste	B-

DISCIPLINE	EMPHASIS	0	1	2	3
Science					
History/Social Science					
Health					
Mathematics					
Visual/Performing Arts					
Language Arts					
Industrial/Vocational Ed.					
Foreign Language					

## COMMENTS

### Pedagogy

"Good hands on activities."  
"Activities need more depth."  
"Few opportunities beyond [increasing]  
environmental awareness."

### Teacher Usability

"Simple - user friendly."  
"Both the time requirement and cognitive  
skills are listed for each activity."  
"Good glossary."

### Specific Content

"Written for Sacramento County middle  
schools."



# Litter Prevention and Recycling

The Ohio Academy of Science  
1500 West Third Avenue, Suite 223  
Columbus, OH 43212  
(614) 488-2228



\$10.00. 1991. 80 p.

*Litter Prevention and Recycling* is designed as a middle and high school level science workbook to promote student research. Extensive teacher background information, references, and resources are followed by a list of twenty-six student research projects proposed by representatives of business, industry, trade associations, government, and academic institutions. Some of the background information is based on Ohio statistics, although this does not limit the resourcefulness of the workbook.

## REPORT CARD

Overall Grade	B-
General Content	B-
Presentation	C+
Pedagogy	B
Teacher Usability	C+
Integrated Waste	B

DISCIPLINE	EMPHASIS	0	1	2	3
Science					
History/Social Science					
Health					
Mathematics					
Visual/Performing Arts					
Language Arts					
Industrial/Vocational Ed.					
Economics					

## COMMENTS

### General Content

"Not a curriculum, *Litter Prevention and Recycling* is a set of ideas for student projects."

### Pedagogy

Features several new activities and suggestions for areas of study.  
Student-centered.

### Teacher Usability

Too advanced for middle school.  
"Does not identify grade level, time commitment, discipline, etc."  
"Good research ideas for high school students."  
"Great for guiding independent environmental research or science fair projects."

### Specific Content

"Developed for Ohio schools."  
"Focuses on litter."